

AMENDMENT TO THE SPECIFICATION

Please replace the paragraph beginning on page 5, line 30 with the following, marked-up paragraph:

The silica 2A without cohesion cannot be produced as a film structure for a screen. Accordingly, polyester ~~rein~~ resin having cohesion and solubility is used as a base mixed with the light-refracting material 2 such as the silica 2A, thereby being produced as a thin film.

Please replace the paragraph beginning on page 6, line 25 with the following, marked-up paragraph:

That is, the finer the particle size of the silica 2A become, the finer the transmission/refraction units of the light by the silica 2A are. Thereby, the optical ~~seating~~ scattering without optical loss due to transmission is obtained.

Please replace the paragraph beginning on page 8, line 29 with the following, marked-up paragraph:

With reference to the below Table 1, in case the content (C) of the silica 2A in the film screen 1 is less than a weight ratio of 800 ppm, the film screen 1 has an excessively low diffusion due to the light refraction, thus generating a hot spot (F). On the other hand, in case that the content (C) of the silica 2A in the film screen is more than a weight ratio of 90,000 ppm, the film screen 1 has an excessively low light transmittance, thus being incapable of serving as a transmission-type screen.

Please replace the paragraph beginning on page 10, line 1 with the following, marked-up paragraph:

Here, the light transmittance is a transmission index of light by the rear surface of the film screen 1 under the condition that the brightness of an image formed on the front surface of the film screen 1 is 100 when the content of the silica 2A in the film screen 1 is in the range of a weight ratio of 10,000 ppm to a weight ratio of 30,000 ppm. The light transmittance determines whether or not the image is displayed on both surfaces of the film screen 1, and is variably adjusted by the content (C) and the particle size (B) of the silica 2A in the film screen 1.

Please replace the paragraph beginning on page 10, line 21 with the following, marked-up paragraph:

That is, the film screen 1 is designed such that the content (C) of the light-refracting material 2 such as the silica 2A in the film screen 1 is in the range of a weight ratio of 800 ppm to a weight ratio of 90,000 ppm, the thickness (A) of the film screen 1 is in the range of 10  $\mu\text{m}$  to 400  $\mu\text{m}$ , and the particle size (B) of the light-refracting material 2 such as the silica 2A is in the range of 0.1  $\mu\text{m}$  to 50  $\mu\text{m}$ .

Please replace the paragraph beginning on page 10, line 26 with the following, marked-up paragraph:

As described above, the above three factors, i.e., the content (C) and the particle size (B) of the light-refracting material 2 such as the silica 2A and the thickness (A) of the film screen 1, interact mutually and systematically, thus achieving the refraction and transmission of light on both surfaces of the film screen 1 and eliminating the generation of a ~~hog~~ hot spot (F). Accordingly, compared to the conventional screens, the film

screen 1 of the present invention is advantageous in that the film screen displays an image having high visibility and clearness without the generation of the hot spot (F).

Please replace the paragraph beginning on page 12, line 29 with the following, marked-up paragraph:

That is, as shown in FIG. 16, for example, in case that the thickness of each of the transparent plate 9, a front film sub-screen 1A and a rear film sub-screen 1B is 200  $\mu\text{m}$ , the content (C) of the light-refracting material 2 in each of the front and rear film sub-screens 1A and 1B is a weight ratio of 30,000 ppm, and the particle size (B) of the light-refracting material 2 is 10  $\mu\text{m}$ , the total thickness of the front and rear film sub-screens 1A and 1B is 400  $\mu\text{m}$ , the total content (C) of the light-refracting material 2 in the front and rear film sub-screens 1A and 1B is a weight ratio of 60,000 ppm, and the particle size (B) of the light-refracting material 2 contained in the front and rear film sub-screens 1A and 1B is 10  $\mu\text{m}$ .

Please replace the paragraph beginning on page 13, line 12 with the following, marked-up paragraph:

Since the content (C) of the light-refracting material 2 such as silica 2A is in the range of range of a weight ratio of 800 ppm to a weight ratio of 90,000 ppm, the thickness (A) of the film screen 1 is in the range of 10  $\mu\text{m}$  to 400  $\mu\text{m}$ , and the particle size (B) of silica 2A is in the range of 0.5  $\mu\text{m}$  to 50  $\mu\text{m}$ , the incident light is transmitted and refracted by the fine particles of silica 2A having the above particle size (B). That is, the incident light is transmitted and refracted into fine units having a size of

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0.5  $\mu\text{m}$  to 50  $\mu\text{m}$ , thereby allowing the film screen 1 to display an image through front and rear surfaces thereof.